

CUSTOMER NUMBER:

38327

Form PTO 1390  
REV (01-2003)**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. §371**Attorney's Docket Number  
HIRA.0174

U.S. Application Number (if known)

**10/521746**International Application Number  
**PCT/JP2003/009200**International Filing Date  
**18 July 2003**Priority Date Claimed  
**19 July 2002**

Title of Invention

**GAS CONCENTRATION MEASUREMENT INSTRUMENT AND GAS CONCENTRATION MEASUREMENT METHOD**

Applicant(s) for DO/EO/US

**TATSU KOBAYAKAWA, HIDEKI TODA AND SACHIKO SAITO**

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. §371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. §371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. §371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. §371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ A English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☒ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☒ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. §371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. §371(c)(5)).

**Items 11 to 20 below concern other document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 C.F.R. §§1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. §§3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 C.F.R. §1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Request for Priority

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/521,716</b>		INTERNATIONAL APPLICATION NO. <b>PCT/JP2003/009200</b>		ATTORNEY'S DOCKET NUMBER <b>HIRA.0174</b>	
				Applicant use	Office use only
21. <input type="checkbox"/> The following fees are submitted:					
<input type="checkbox"/> a) Basic national fee		\$300.00		<b>\$300.00</b>	
<input type="checkbox"/> b) Examination fee		\$200.00		<b>\$200.00</b>	
<input type="checkbox"/> c) Search fee		\$500.00		<b>\$500.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$1,000.00</b>		<b>\$1,000.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
83 - 100 =	/50 =		x \$250.00		
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 C.F.R. §1.492(e)).				<b>\$0.00</b>	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total Claims	3	0	x \$50.00	<b>\$0.00</b>	
Independent Claims	2	0	x \$200.00	<b>\$0.00</b>	
Multiple Dependant Claims (if applicable)			+ 360.00	<b>\$0.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$1,000.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2				<b>\$0.00</b>	
<b>SUBTOTAL =</b>				<b>\$1,000.00</b>	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 C.F.R. §1.492(f)).				<b>\$0.00</b>	
<b>TOTAL NATIONAL FEE =</b>				<b>\$1,000.00</b>	
Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). <b>\$40.00</b> per property				<b>\$40.00</b>	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$1,040.00</b>	
Amount to be Refunded:					\$
Amount to be charged					\$
<p>a. <input checked="" type="checkbox"/> A check in the amount of <b>\$1,040.00</b> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account Number 08-1480 in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account Number 08-1480. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b></p>					
<p><b>Note:</b> Where an appropriate time limit under 37 C.F.R. §1.495 has not been met, a petition to revive (37 C.F.R. §1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p>					
Respectfully submitted,					
<p>Stanley P. Fisher Registration Number 24,344</p>					
<p><b>REED SMITH LLP</b> 3110 Fairview Park Drive Suite 1400 Falls Church, Virginia 22042 (703) 641-4200 January 19, 2005</p>					
<p>Juan Carlos A. Marquez Registration Number 34,072</p>					